If this lab is an Individual assignment, you must do all coded programs on your own. You may ask others for help on the language syntax, but you must organize and present your own logical solution to the problem. No lab is complete until the MyClass submits the signed pledge form associated with that lab. I realize that no coded programs will be graded until I turn in the sign & pledge form associated with that program; any late penalties will continue to compound until the pledge form is submitted.

If this lab is a team assignment, both team members may share logic as they program side by side on their own computers. Each person must type all of his/her own code as part of the learning process. Team assignments are never to be "You do this portion and I'll do that portion" or "You do this lab and I'll do the next lab".

Some of the lab assignments will have short answer questions. These short answer questions will be spot checked and graded for completion, but not checked for accuracy. Once these labs are graded and returned, I encourage you to compare answers with another class member who has also had the lab graded and returned.

I/We realize that the penalty for turning in work that is not my own, or assisting others in doing so, can range from an "F" in the class to dismissal from Trinity University. I realize that it is a violation of academic integrity to share any portion of this lab with any person (outside my 2320 team & professor)!

Print Name _________________________________________ Time Required = ______.____ Hrs.
Signature _______________________________________________________________ (pledged)

OOP- 9 DA-BinTree 2 Print Only Page 1-2
Individual Assignment
25 Points

1] D dowload TomH-DA-BinTree-2.zip ➔ Call it TomH-DA-BinTree-2 (Use your first name and last initial). This should provide you the opportunity to use CreateNodes, CreateHeaders, ValidNodes, ValidHeaders, ReadRecord, WriteRecord, FileLength, Constructor Code, Destructor Code, GetNode, FreeNode, and Empty (slight revision) from your DA-DList-4 Lab!

2] This application is a direct access file representation of the binary tree.

3] Initial/Pledge ➔ The constructor and destructor work perfectly!
   ______ Initial/Pledge ➔ GetNode & Freenode work perfectly!
   ______ Initial/Pledge ➔ Empty works perfectly!
   ______ Initial/Pledge ➔ SetLeft  works perfectly!
   ______ Initial/Pledge ➔ SetRight works perfectly!
   ______ Initial/Pledge ➔ ValidHeader works perfectly!
   ______ Initial/Pledge ➔ ValidNode works perfectly!
   ______ Initial/Pledge ➔ Inplace works perfectly!
   ______ Initial/Pledge ➔ Preorder Traversal works perfectly!
   ______ Initial/Pledge ➔ Prostorder Traveral works perfectly!
   ______ Initial/Pledge ➔ Inorder Traversal works perfectly!
   ______ Initial/Pledge ➔ Search (Integer) works perfectly!
   ______ Initial/Pledge ➔ Search (String) works perfectly!
All of the documentation has been updated properly. I am the author of all functions in which I typed in the code!

I set the Diagnostic Level to 26 & recompiled the program before placing it in the drop box.

All of the testing is exposed for diagnostic levels 1-30.

I have backed up the project on my personal computer and on my network drive.

1 Point

(1) Set the diagnostic level to 26 &
(2) Compile the program.
(3) Copy The Program To The Drop Box (Copy it to your To Be Graded Folder on Mars!)

# define DA_BINTREE_DIAGNOSTICS_LEVEL 26

What To Turn In

- - - - - - - - - - - - - No Lab Is Complete Until Both Are Complete- - - - - - - - - - - - -

1) You sign & submit the Pledge form.
   a) Make sure that all program files have a header box with a purpose that clearly defines what you are accomplishing in this lab.
   b) Make sure that each and every program function has a well formed documentation box that clearly describes the purpose.
   c) Make sure that each and every program function header box has the appropriate Written By and Date.
   d) Review the Pledge statement
   e) Sign & Pledge
   f) Record the amount of time you think you spent on this lab
   g) Staple all pages of this lab. Fold in half length-wise (like a hot-dog). Put your name on the outside. Place it on the professor desk before the beginning of lecture on the day it is due. The penalty for late homework will not exceed 25% off per day.

2) Place all programming code associated with this program, if any, in the Professor’s Code Drop Box
   a) I do not accept programs by mail; do not submit labs via email!

- - - - - - - - - - - - - Comments - - - - - - - - - - - - -

A] Programs that do not compile are worth little, if anything.
B] If a print statement format is off, the penalties will often be less than the 25% per day late penalty; turn in the lab. You would not be happy if you went to Best Buy and purchased a large screen TV that did everything except show the picture; you would consider it pretty worthless. Most users consider software that does not work properly pretty useless as well. If the lab is not working correctly, credit will be small (if any); you might be better to accept a 25% (1 day) late penalty and turn in the lab working correctly!
C] Start all programs early so that you can get in contact with the professor if you have problems.
D] If you are turning in this lab late, you may
   ➢ hand it to me if I am in the office
   ➢ put it in the mail box outside my office door
   ➢ slide it under the outer door to our suite (if locked)
   ➢ slide it under my office door. The sooner I get late labs, the sooner the late penalty meter quits clicking.
E] Backup your programs in at least three places. Put a copy on your Y drive. Put a copy on your flash drive. Put a copy on your personal computer. Send yourself a copy in your e-mail.